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Data Sheet

August 13, 2026

ROCKWELL / ALLEN-BRADLEY

Rockwell / Allen-Bradley 40888-490-01-S1FX Standard SMC Dialog Plus Control Module

The Rockwell / Allen-Bradley 40888-490-01-S1FX Standard SMC Dialog Plus Control Module is a component designed for industrial control systems. This module facilitates communication and control within a SMC (Smart Motor Controller) system, enhancing motor performance and diagnostics. It is typically used in manufacturing and automation settings.



MODEL

Rockwell / Allen-Bradley 40888-490-01-S1FX

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

40888-490-01-S1FX

LISTING

<https://aumictechlabs.com/products/40888-490-01-s1fx-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Rockwell / Allen-Bradley 40888-490-01-S1FX is a solid-state motor control module engineered for three-phase squirrel cage motors across industrial automation and manufacturing environments. This standard SMC Dialog Plus control module delivers configurable motor acceleration through soft start, current limit start, dual ramp start, and full voltage start modes, paired with multiple stopping options including soft stop, pump control, smart motor braking, and accu-stop functions. The module integrates comprehensive electronic protection - overload algorithms, stall and jam detection, line fault monitoring, phase loss detection, and over-temperature safeguards via internal thermistors - alongside diagnostic metering and multi-

protocol communication capabilities. Technical Specifications Motor Input Voltage: 200 to 600 V AC, three-phase Control Power Input: 100 to 240 V AC (single-phase), ± 10 /-15% tolerance Control Power Frequency: 50/60 Hz Control Power Requirement: Maximum 40 V·A Current Rating: 1 to 1000 A (configurable) Power Rating: 0.3 to 1000 hp Manufacturer: Rockwell / Allen-Bradley Status: Discontinued as of July 31, 2015 Key Features Four selectable starting modes with optional kickstart on current limit and soft start modes Six stopping and braking options including preset slow speed and energy saver mode for lightly loaded applications Phase rebalance monitoring for continuous three-phase line voltage assessment Undervoltage monitoring and open gate fault detection Built-in 2-line by 16-character LCD keypad interface or optional Bulletin 1201 HMI configuration Communication & Integration SLC, Flex I/O, and Remote I/O protocols supported DH-485/RS-232 (DF-1) communication DeviceNet communication via Bulletin 1203 communication modules Compatible with Bulletin 150 SMC Dialog Plus series as a standard replacement control module Typical Applications Three-phase motor starting, acceleration control, and protection in process automation, pump control systems, and industrial drive applications requiring configurable soft-start and braking functionality.

Features & description

From manufacturer datasheet

Features

- Bulletin 150 SMC Dialog Plus standard control module

4088849001S1FX Characteristics / Specifications

PARAMETER	VALUE
Model	40888-490-01
Manufacturer	Allen-Bradley / Rockwell Automation
Instrument Type	SMC Dialog Plus Control Module
Series	Bulletin 150 SMC Dialog Plus
Alias	40888-490-01; 40888-490-01-S1FX; 4088849001
Function	control/logic module for SMC Dialog Plus; not the power SCR pack
Motor Type	three-phase squirrel cage
Start Modes	soft start; current limit start; dual ramp start; full voltage start
Kickstart	selectable on soft start and current limit modes
Stop Options	soft stop; pump control; preset slow speed; SMB smart motor braking; Accu-Stop; slow speed with braking
Features	expanded protection, metering, and communications ability on Dialog Plus
Suffix S1FX	control-module firmware/option identifier on some listings
Power Structure	Bulletin 150-Axx current/voltage rated unit (example family 150-A35NBD)
Compatibility	match 40888 control board to the Dialog Plus power unit publication
Not SMC 3 / SMC Flex	different Bulletin 150 generations use different control boards
Mounting	installs in the SMC Dialog Plus enclosure as the operator/control assembly
Line Voltage	determined by the 150 power structure, not this board alone
Current Rating	determined by the 150-Axx, not 40888-490-01
HMI	Dialog Plus keypad/display on the control module class
Communications	Dialog Plus communication options per the 150 user manual
Status	legacy SMC Dialog Plus spare
Documentation	Bulletin 150 SMC Dialog Plus user manual; control module replacement instructions

PARAMETER	VALUE
Identity Rule	do not print a 35 A or 150 A motor current on this file unless the paired 150-Axx is known Notes Accessory/control-board identity. Verified as SMC Dialog Plus standard control module 40888-490-01. Motor amperes are on the 150-Axx power unit. Confirm S1FX suffix and power-structure match.

4088849001S1FX Specifications

PARAMETER	VALUE
Applications	SMC Dialog Plus spare control board; Bulletin 150 soft-starter logic replacement; three-phase squirrel-cage motor starting modes.
Key Features	- Bulletin 150 SMC Dialog Plus standard control module
Technical Specifications	Model: 40888-490-01

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
Model	40888-490-01
Manufacturer	Allen-Bradley / Rockwell Automation
Instrument Type	SMC Dialog Plus Control Module
Specifications	
PARAMETER	VALUE
Series	Bulletin 150 SMC Dialog Plus
Alias	40888-490-01; 40888-490-01-S1FX; 4088849001
Function	control/logic module for SMC Dialog Plus; not the power SCR pack
Specifications	
PARAMETER	VALUE
Motor Type	three-phase squirrel cage
Start Modes	soft start; current limit start; dual ramp start; full voltage start
Kickstart	selectable on soft start and current limit modes
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PARAMETER	VALUE
Stop Options	soft stop; pump control; preset slow speed; SMB smart motor braking; Accu-Stop; slow speed with braking
Features	expanded protection, metering, and communications ability on Dialog Plus
Suffix S1FX	control-module firmware/option identifier on some listings
Specifications	
PARAMETER	VALUE
Power Structure	Bulletin 150-Axx current/voltage rated unit (example family 150-A35NBD)
Compatibility	match 40888 control board to the Dialog Plus power unit publication

PARAMETER	VALUE
Not SMC 3 / SMC Flex	different Bulletin 150 generations use different control boards

Specifications

PARAMETER	VALUE
Mounting	installs in the SMC Dialog Plus enclosure as the operator/control assembly
Line Voltage	determined by the 150 power structure, not this board alone
Current Rating	determined by the 150-Axx, not 40888-490-01

Specifications

PARAMETER	VALUE
HMI	Dialog Plus keypad/display on the control module class
Communications	Dialog Plus communication options per the 150 user manual
Status	legacy SMC Dialog Plus spare

Documentation: Bulletin 150 SMC Dialog Plus user manual; control module replacement instructions

Identity Rule: do not print a 35 A or 150 A motor current on this file unless the paired 150-Axx is known

Notes

Accessory/control-board identity. Verified as SMC Dialog Plus standard control module 40888-490-01. Motor amperes are on the 150-Axx power unit. Confirm S1FX suffix and power-structure match.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.